

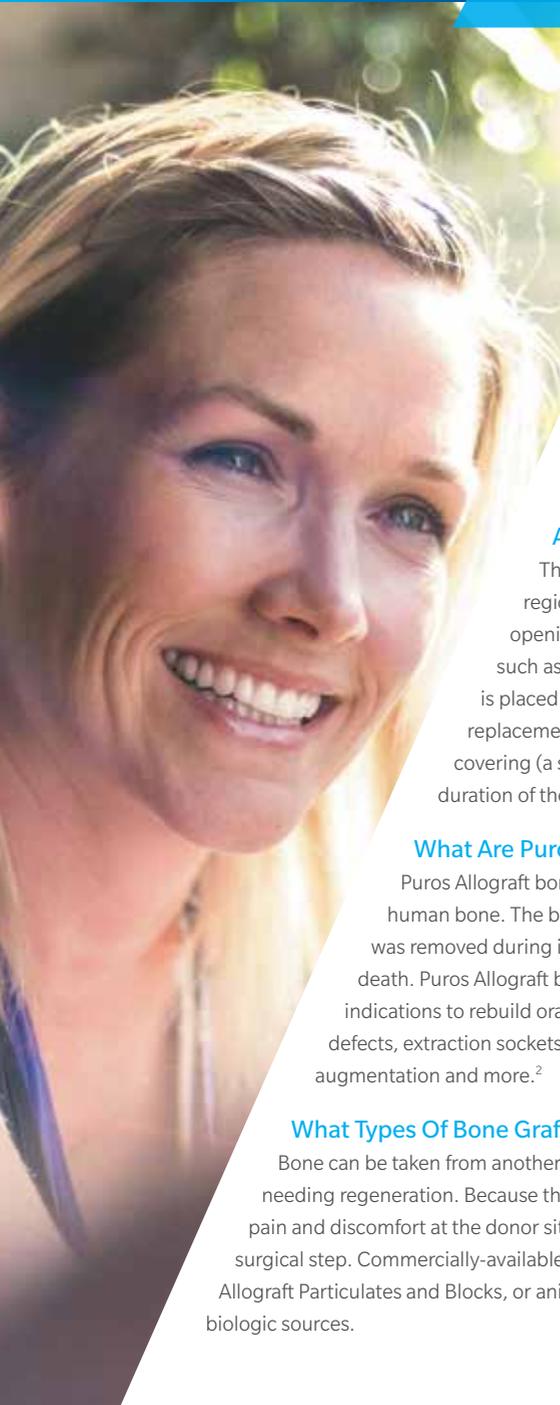
Puros[®] Allograft
Bone Augmentation Material

Product Information



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Puros Allograft Bone Augmentation Material



Why Bone Augmentation Is Needed?

Bone augmentation is most often used to prepare a site for dental implants that are needed to replace a missing tooth or teeth. Bone in an area where teeth have been lost naturally shrinks or resorbs over time, both in height and width. As a result, new bone must be grafted to create a secure site for placing implants and to achieve aesthetic results. Bone grafting can also be used to save teeth that have experienced bone loss.¹

What Does Bone Augmentation Entail

The surgical site is numbed locally. In the region requiring bone reconstruction, a small opening is created. A bone replacement material such as Puros Allograft Bone Particulates or Blocks is placed into the opened receptor site. The bone replacement material is then stabilized with a protective covering (a so-called membrane) and closed for the duration of the healing phase.¹

What Are Puros Allograft Bone Augmentation Materials?

Puros Allograft bone augmentation materials are tissue grafts obtained from human bone. The bone originates from people from whom the femoral head was removed during insertion of an artificial hip joint or from donations after death. Puros Allograft bone augmentation materials are used in a variety of indications to rebuild oral bone, including regeneration of periodontal bone defects, extraction sockets, horizontal alveolar ridge augmentation (particles), sinus augmentation and more.²

What Types Of Bone Grafts Exist?

Bone can be taken from another part of the patient's body and transplanted to the site needing regeneration. Because this method of bone grafting often results in post-surgical pain and discomfort at the donor site, bone grafts are commercially available to avoid this surgical step. Commercially-available bone grafts originate from human bone, like Puros Allograft Particulates and Blocks, or animal tissues or they can be manufactured from non-biologic sources.



What Happens To Puros Allograft In The Body?

Puros Allograft supports natural bone growth.² Puros Allograft is remodeled naturally by the body and replaced by the body's own bone after a period of time.²

How Do I Know It Is Safe?

Puros Allograft consists of natural material and is accepted very well by the body.² Puros Allograft Particulates and Blocks are processed through the Tutoplast® Tissue Sterilization Process in compliance with strict procedures for consistency and quality.

This process ensures high standard for safety and quality. More than 5 million implants have been sterilized through the Tutoplast Process with zero confirmed incidence of implant-associated infection.³ However, transmission of diseases by biological materials cannot be ruled out with absolute certainty.

Zimmer Biomet Dental is committed to offering products with the highest possible quality and safety standards. For this reason, national and international agencies review and approve the manufacturer per standard processes. Puros Allograft bone augmentation materials are human tissue implants that comply with European Regulations for Human Tissues.²

Are There Any Side Effects Caused By Puros Allograft?

Although there are no known specific side effects, intolerance reactions to materials can occur in patients.² There are no known interactions between Puros Allograft and other medicinal products.²

What Has To Be Considered?

The use of Puros Allograft should be limited in patients with the following diseases or findings:²

- Implantation in a necrotic host site
- Implantation in a hypoperfused area
- Implantation in a host site with active or latent infection
- In the case of disorders or conditions which could have a negative impact on the healing rate

The use of Puros Allograft to fill bone defects may be the best solution despite the presence of some of the circumstances listed above.²

References

1. Elgali, I., et al., Guided bone regeneration: materials and biological mechanisms revisited. Eur J Oral Sci, 2017. 125(5): p. 315-337.
2. Puros Allograft Instructions for use (IFU).
3. Data on file with the manufacturer.

Please note that while this brochure is designed to address some of the frequently asked questions about Puros Allograft bone grafts individual factors may limit product use in certain indications. Please read instructions for use for more information.



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